

STIC Biotechnology Systems Branch

**RAW SEQUENCE LISTING
ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/839,725
Source: Pd
Date Processed by STIC: 6/29/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/539,725

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 **Wrapped Nucleic
Wrapped Aminos** The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 **Invalid Line Length** The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 **Misaligned Amino
Numbering** The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 **Non-ASCII** The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 **Variable Length** Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 **PatentIn 2.0
"bug"** A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 **Skipped Sequences
(OLD RULES)** Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 **Skipped Sequences
(NEW RULES)** Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 **Use of n's or Xaa's
(NEW RULES)** Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 **Invalid <213>
Response** Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 **Use of <220>** Sequence(s) 120186 missing the <220> "Feature" and associated numeric identifiers and responses
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 **PatentIn 2.0
"bug"** Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 **Misuse of n/Xaa** "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/539,725

DATE: 06/29/2005

TIME: 14:07:59

Input Set : E:\05-06-06 1041WO.txt
Output Set: N:\CRF4\06292005\J539725.raw

3 <110> APPLICANT: greenovation Biotech GmbH
5 <120> TITLE OF INVENTION: Improvements in or relating to protein production
7 <130> FILE REFERENCE: Protein Production Method
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/539,725
C--> 11 <141> CURRENT FILING DATE: 2005-06-20
11 <160> NUMBER OF SEQ ID NOS: 89
13 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

Does Not Comply
Corrected Diskette Needed

file:///C:/CRE4/Outhold/VsrJ539725.htm

See item # 11 on error ^{summary} sheet. 6/29/05

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/539,725

DATE: 06/29/2005

TIME: 14:07:59

Input Set: E:\05-06-06-1041WO.txt
Output Set: N:\CRF4\06292005\J539725.raw

OK 46 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer sequence GTN(d)3

E--> 47 <400> SEQUENCE: 4

E--> 48 acyttrtang cngcnctng qnacnco

49 27

50 <210> SEQ ID NO: 5

52 <211> LENGTH: 25

53 <212> TYPE: DNA

54 <213> ORGANISM: Artificial Sequence

W--> 55 <220> FEATURE: Same error

55 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer sequence GTN(d)2

OK 56 <400> SEQUENCE: 5

E--> 57 tayaarathc aghdaytaya artgg

58 25

60 <210> SEQ ID NO: 6

61 <211> LENGTH: 23

62 <212> TYPE: DNA

63 <213> ORGANISM: Artificial Sequence

W--> 64 <220> FEATURE:

64 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer sequence GTN(d)4

OK 65 <400> SEQUENCE: 6

E--> 66 arataytgyt traaraaytg ncc

67 23

69 <210> SEQ ID NO: 7

70 <211> LENGTH: 20

71 <212> TYPE: DNA

72 <213> ORGANISM: Artificial Sequence

W--> 73 <220> FEATURE:

73 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer sequence 5RACEG3

OK 74 <400> SEQUENCE: 7

E--> 75 gtcgtgtcc aataaaggag

76 20

78 <210> SEQ ID NO: 8

79 <211> LENGTH: 21

80 <212> TYPE: DNA

81 <213> ORGANISM: Artificial Sequence

W--> 82 <220> FEATURE:

82 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer sequence 5RACEG4

OK 83 <400> SEQUENCE: 8

E--> 84 gtcgggagag atttccatgt c

85 21

87 <210> SEQ ID NO: 9

88 <211> LENGTH: 20

89 <212> TYPE: DNA

90 <213> ORGANISM: Artificial Sequence

W--> 91 <220> FEATURE:

91 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer sequence 5RACEG5

OK 92 <400> SEQUENCE: 9

E--> 93 ctaagatgac gacccttcgg

94 20

See item # 11 on error
summary sheet

RAW SEQUENCE LISTING DATE: 06/29/2005
PATENT APPLICATION: US/10/539725 FILE TIME: 14:07:59

Input Set : E:\05_06-06_1041WO.txt
Output Set: N:\CRF4\06292005\J539725.law

✓ Same errors

96 <210> SEQ ID NO: 10
97 <211> LENGTH: 22
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
W--> 100 <220> FEATURE:
100 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer sequence 5RACE6
E--> 101 <400> SEQUENCE: 10
E--> 102 ~~catccctgaga aacaaaaagt gg~~
103 22
105 <210> SEQ ID NO: 11
106 <211> LENGTH: 21
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
W--> 109 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer sequence 5RACE7
E--> 110 <400> SEQUENCE: 11
E--> 111 ~~agttagacac ttcaatgtac g~~
112 21
114 <210> SEQ ID NO: 12
115 <211> LENGTH: 20
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence
W--> 118 <220> FEATURE:
118 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer sequence 5RACE8
E--> 119 <400> SEQUENCE: 12
E--> 120 ~~atcaggacg gttgcaagcc~~
121 20
123 <210> SEQ ID NO: 13
124 <211> LENGTH: 20
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
W--> 127 <220> FEATURE:
127 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer sequence 3RACEG1
E--> 128 <400> SEQUENCE: 13
E--> 129 ~~tatccgacc tgaagttgc~~
130 20
132 <210> SEQ ID NO: 14
133 <211> LENGTH: 20
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
W--> 136 <220> FEATURE:
136 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer sequence 3RACEG2
E--> 137 <400> SEQUENCE: 14
E--> 138 ~~gacotacaat tttggagagc~~
139 20
141 <210> SEQ ID NO: 15
142 <211> LENGTH: 20
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/539725

DATE: 06/29/2005
TIME: 14:50:35 9:11

Input Set: E:\05-06-06-1041WO.txt
Output Set: N:\CRF4\06292005\J539725.raw

✓ Same errors

W--> 145 <220> FEATURE:

145 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer sequence GNT5F

E--> 146 <400> SEQUENCE: 15

E--> 147 cggccttaa cacaacttt

148 20

150 <210> SEQ ID NO: 16

151 <211> LENGTH: 19

152 <212> TYPE: DNA

153 <213> ORGANISM: Artificial Sequence

W--> 154 <220> FEATURE:

154 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer sequence GTN6R

E--> 155 <400> SEQUENCE: 16

E--> 156 gccctaagct tgatccctg

157 19

159 <210> SEQ ID NO: 17

160 <211> LENGTH: 21

161 <212> TYPE: DNA

162 <213> ORGANISM: Artificial Sequence

W--> 163 <220> FEATURE:

163 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer sequence GNT21F

E--> 164 <400> SEQUENCE: 17

E--> 165 atggcagata tggctcgatt g

166 21

168 <210> SEQ ID NO: 18

169 <211> LENGTH: 22

170 <212> TYPE: DNA

171 <213> ORGANISM: Artificial Sequence

W--> 172 <220> FEATURE:

172 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer sequence GNT15R

E--> 173 <400> SEQUENCE: 18

E--> 174 agtttctatg gtatctaact gc

175 22

177 <210> SEQ ID NO: 19

178 <211> LENGTH: 21

179 <212> TYPE: DNA

180 <213> ORGANISM: Artificial Sequence

W--> 181 <220> FEATURE:

181 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer sequence GNTHT7

E--> 182 <400> SEQUENCE: 19

E--> 183 gagcatccaa gcttgcacctg g

184 21

186 <210> SEQ ID NO: 20

187 <211> LENGTH: 22

188 <212> TYPE: DNA

189 <213> ORGANISM: Artificial Sequence

W--> 190 <220> FEATURE:

190 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer sequence GNTET7

E--> 191 <400> SEQUENCE: 20

E--> 192 gcaccgtgaa ttcttcttagc tt

RAW SEQUENCE LISTING

DATE: 06/29/2005

PATENT APPLICATION: US/10/539,725

TIME: 14:08:00

Input Set: E:\05-06-1041WO.txt

Output Set: N:\CRF4\06292005\J539725.raw

E--> 845 cttccggtcg ttgagcaaga attttgtcaa tttttgtat tgggggaagg aaatggggtt
846 240
E--> 847 aggcgatata cgtttgcgtt gggtaaacg tgatcggtga gctccaggaa gggctggta
848 300
E--> 849 ctcacaatcc ggtatcgtc tcatacgagac gcatttatcg gttcattata tgtatata
850 360
E--> 851 aatataatata tatatgcaga gtcgattgtg ttgcaatttc tgaacttaggt actgttaat
852 420
E--> 853 ttagattgc cttcaagtag ctctcgatgt tggaatgacg sacacaaatt ctgctactga
854 480
E--> 855 atgagaccat attctgcacc gttatttgtt ttatgaata tatggtgtcg aattacattc
856 540
E--> 857 ctgcgtcaat ccatgcgccc tttctgcacg aacgttggtt ttagttgtat gtgcagccag
858 600
E--> 859 ttttttgtt ttaggattat gctttgacga tcgatgagtc cgtttcatgg tttatactt
860 660
E--> 861 gttatttatac ttcttgtat tttttgttta caaatgttcc cccattgtat acgtggact
862 720
E--> 863 ttttgtgtg gtgggtgctc aaattgatag tttttgtcat ttgatttgcg gagagcaatc
864 780
E--> 865 ggtgtcatgg aaaatccctt cgactgctt gatcaatca aagttctgct tgagccatg
866 840
E--> 867 ttttttttttgg aggattgggc ttcttctaaag tgagaattctt cg
868 882

Same errors

The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

VARIABLE LOCATION SUMMARY DATE: 06/29/2005
PATENT APPLICATION: US/10/539725 TIME: 14:08:01

Input Set: E:\05-06-06 1041WO.txt
Output Set: N:\CRF4\06292005\J539725.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:3; N Pos. 3,6,9,12,15,18
Seq#:4; N Pos. 9,12,15,19,22,25
Seq#:5; N Pos. 9,13
Seq#:6; N Pos. 21
Seq#:31; N Pos. 6
Seq#:32; N Pos. 3,6,9,12,15
Seq#:33; N Pos. 3,6,9
Seq#:55; N Pos. 9,18
Seq#:56; N Pos. 3,6,15
Seq#:57; N Pos. 3,6,15,21

VERIFICATION SUMMARY

DATE: 06/29/2005

PATENT APPLICATION: US/107539,725

TIME: 14:08:01

Input Set : E:\05-06-06 1041WO.txt

Output Set: N:\CRF4\06292005\J539725.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:19 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:20 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:1
L:20 M:283 W: Missing Blank Line separator, <400> field identifier
L:21 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:36 SEQ:1
L:28 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:29 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:2
L:29 M:283 W: Missing Blank Line separator, <400> field identifier
L:30 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:26 SEQ:2
L:37 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3
L:38 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:3
L:38 M:283 W: Missing Blank Line separator, <400> field identifier
L:39 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:3
L:39 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:3
L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:39 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:23 SEQ:3
L:46 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4
L:47 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:4
L:47 M:283 W: Missing Blank Line separator, <400> field identifier
L:48 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:4
L:48 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:4
L:48 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:48 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:27 SEQ:4
L:55 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5
L:56 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:5
L:56 M:283 W: Missing Blank Line separator, <400> field identifier
L:57 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:5
L:57 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:5
L:57 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:57 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:25 SEQ:5
L:64 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6
L:65 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:6
L:65 M:283 W: Missing Blank Line separator, <400> field identifier
L:66 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:6
L:66 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:6
L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:66 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:23 SEQ:6
L:73 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7
L:74 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:7
L:74 M:283 W: Missing Blank Line separator, <400> field identifier
L:75 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:7
L:82 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
L:83 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:8
L:83 M:283 W: Missing Blank Line separator, <400> field identifier
L:84 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:21 SEQ:8
L:91 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:92 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:9

VERIFICATION SUMMARY DATE: 06/29/2005
PATENT APPLICATION: US/10/539,725 TIME: 14:08:01

Input Set: E:\05-06-06-1041WO.txt
Output Set: N:\CRF4\06292005\J539725.raw

L:92 M:283 W: Missing Blank Line separator, <400> field identifier
L:93 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:9
L:100 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:10
L:101 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:10
L:101 M:283 W: Missing Blank Line separator, <400> field identifier
L:102 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:10
L:109 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:11
L:110 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:11
L:110 M:283 W: Missing Blank Line separator, <400> field identifier
L:111 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:21 SEQ:11
L:118 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:12
L:119 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:12
L:119 M:283 W: Missing Blank Line separator, <400> field identifier
L:120 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:12
L:127 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:13
L:128 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:13
L:128 M:283 W: Missing Blank Line separator, <400> field identifier
L:129 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:13
L:136 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:14
L:137 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:14
L:137 M:283 W: Missing Blank Line separator, <400> field identifier
L:138 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:14
L:145 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
L:146 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:15
L:146 M:283 W: Missing Blank Line separator, <400> field identifier
L:147 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:15
L:154 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:16
L:155 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:16
L:155 M:283 W: Missing Blank Line separator, <400> field identifier
L:156 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:19 SEQ:16
L:163 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:17
L:164 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:17
L:164 M:283 W: Missing Blank Line separator, <400> field identifier
L:165 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:21 SEQ:17
L:172 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:18
L:173 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:18
L:173 M:283 W: Missing Blank Line separator, <400> field identifier
L:174 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:18
L:181 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19
L:182 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:19
L:182 M:283 W: Missing Blank Line separator, <400> field identifier
L:183 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:21 SEQ:19
L:190 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20
L:191 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:20
L:191 M:283 W: Missing Blank Line separator, <400> field identifier
L:192 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:20
L:199 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:21
L:200 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:21
L:200 M:283 W: Missing Blank Line separator, <400> field identifier

VERIFICATION SUMMARY DATE: 06/29/2005
PATENT APPLICATION: US/10/539,725 TIME: 14:08:01

Input Set : E:\05-06-06\1041WO.txt
Output Set: N:\CRF4\06292005\J539725.raw

L:201 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:23 SEQ:21
L:208 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:22
L:209 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:22
L:209 M:283 W: Missing Blank Line separator, <400> field identifier
L:210 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:21 SEQ:22
L:217 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23
L:218 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:23
L:218 M:283 W: Missing Blank Line separator, <400> field identifier
L:219 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:19 SEQ:23
L:226 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:24
L:227 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:24
L:227 M:283 W: Missing Blank Line separator, <400> field identifier
L:228 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:19 SEQ:24
L:235 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:25
L:236 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:25
L:236 M:283 W: Missing Blank Line separator, <400> field identifier
L:237 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:25
L:244 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:26
L:245 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:26
L:245 M:283 W: Missing Blank Line separator, <400> field identifier
L:246 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:26
L:253 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:27
L:254 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:27
L:254 M:283 W: Missing Blank Line separator, <400> field identifier
L:255 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:27
L:262 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:28
L:263 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:28
L:263 M:283 W: Missing Blank Line separator, <400> field identifier
L:264 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:19 SEQ:28
L:271 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:29
L:272 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:29
L:272 M:283 W: Missing Blank Line separator, <400> field identifier
L:273 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:29
L:280 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:30
L:281 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:30
L:281 M:283 W: Missing Blank Line separator, <400> field identifier
L:282 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:30
L:289 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:31
L:290 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:31
L:290 M:283 W: Missing Blank Line separator, <400> field identifier
L:291 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:31
L:291 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:31
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:291 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:21 SEQ:31
L:298 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:32
L:299 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:32
L:299 M:283 W: Missing Blank Line separator, <400> field identifier
L:300 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:32
L:300 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:32

VERIFICATION SUMMARY
PATENT APPLICATION: US/107539725

DATE: 06/29/2005
TIME: 14:08:01

Input Set: E:\05-06-06-1041WO3.txt
Output Set: N:\CRF4\06292005\J539725.raw

L:300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:300 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:23 SEQ:32
L:307 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:33
L:308 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:33
L:308 M:283 W: Missing Blank Line separator, <400> field identifier
L:309 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:33
L:309 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:33
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:309 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:17 SEQ:33
L:316 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:34
L:317 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:34
L:317 M:283 W: Missing Blank Line separator, <400> field identifier
L:318 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:34
L:325 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:35
L:326 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:35
L:326 M:283 W: Missing Blank Line separator, <400> field identifier
L:327 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:19 SEQ:35
L:334 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:36
L:335 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:36
L:335 M:283 W: Missing Blank Line separator, <400> field identifier
L:336 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:36
L:344 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:37
L:344 M:283 W: Missing Blank Line separator, <400> field identifier
L:345 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:19 SEQ:37
L:353 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:38
L:353 M:283 W: Missing Blank Line separator, <400> field identifier
L:354 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:19 SEQ:38
L:362 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:39
L:362 M:283 W: Missing Blank Line separator, <400> field identifier
L:363 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:39
L:371 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:40
L:371 M:283 W: Missing Blank Line separator, <400> field identifier
L:372 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:40
L:380 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:41
L:380 M:283 W: Missing Blank Line separator, <400> field identifier
L:381 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:19 SEQ:41
L:389 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:42
L:389 M:283 W: Missing Blank Line separator, <400> field identifier
L:390 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:42
L:398 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:43
L:398 M:283 W: Missing Blank Line separator, <400> field identifier
L:399 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:21 SEQ:43
L:407 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:44
L:407 M:283 W: Missing Blank Line separator, <400> field identifier
L:408 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:44
L:416 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:45
L:416 M:283 W: Missing Blank Line separator, <400> field identifier
L:417 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:21 SEQ:45
L:425 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:46

VERIFICATION SUMMARY DATE: 06/29/2005
PATENT APPLICATION: US/10/539,725 TIME: 14:08:01

Input Set : E:\05-06-06 1041WO.txt
Output Set: N:\CRF4\06292005\J539725.raw

L:425 M:283 W: Missing Blank Line separator, <400> field identifier
L:426 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:46
L:434 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:47
L:434 M:283 W: Missing Blank Line separator, <400> field identifier
L:435 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:21 SEQ:47
L:443 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:48
L:443 M:283 W: Missing Blank Line separator, <400> field identifier
L:444 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:18 SEQ:48
L:452 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:49
L:452 M:283 W: Missing Blank Line separator, <400> field identifier
L:453 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:19 SEQ:49
L:461 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:50
L:461 M:283 W: Missing Blank Line separator, <400> field identifier
L:462 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:28 SEQ:50
L:507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0
L:516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0
L:525 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0